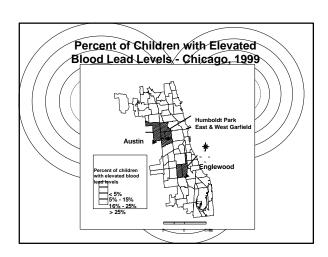
High Intensity Targeted Screening (HITS) Chicago, Illinois Oct 27 - Nov 11 - 2001 & Jun 15 - Jun 30, 2002 Childhood Lead Poisoning Prevention Program Chicago Department of Public Health

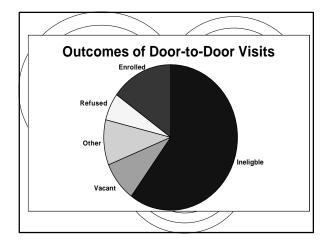
Objectives of HITS

- Present: Obtain an unbiased prevalence estimate of blood lead levels among children 12 to 72 months of age in selected neighborhoods
- Future: Identify children missed by routine screening



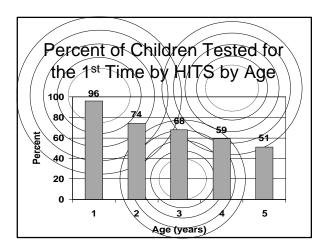
Components of a visit

- ◆ Door-to-door
 - Keep track with the Household Tracking Log
- ◆ Informed Consent
- Draw Blood
 - Venous or Cap
 - 2nd tube for measles titer (immunization)
- Child question naive for each child
- Household question naire for each home
- Immunization records documentation/
- Incentive provided (\$15 grocery coupon)



Results Majority not previously tested for lead HITS 2: 31% had BLLs ≥ 10 µg/dL 70% enrolled in Medicaid 98% African-American HITS 2: 26% had BLLs ≥ 10 µg/dL 62% enrolled in Medicaid 18% uninsured 28% Hispanic

HITS Community Areas Lead Poisoning Prevalence						
Community Area	Kids 6 and under	Prevalence Rate (1999 est.)	% Elevated (1999)	HITS kids	True Prevalence (2001 & 2002)	
Austin	14138	12%	35%	182	26%	
Englewood	6838	16%	39%	347	33%	
Humboldt Park East & West Garfield Park	10084 6526	9% 15%	26% 36%	358	26%	



Follow-up of HITS 2001 Medical case management is being provided for the 64 children with BLLs ≥ 15 /μg/(dĹ The 49 homes of these children have been inspected for lead hazards, with appropriate actions following, including referral to the HUD grant program Additional 24 homes of children w/ lower levels got low-level treatments and clearance

Limitations

- Lots of work.
- Fall may not be optimal time for HITS
 - Shorter daylight hours to work
 - Many children/recently tested due to School Entry Law
- · Quality control of blood samples

(Many different blood drawers required ongoing training in HITS 2001)

- Refusals
- Transportation

Successes

- Identification of new children
- Media exposure
- Attention from legislators
- Better direction of resources
- Coincides with mission of Chicago Department of Public Health
- Model that can be adapted

Targeted Screening Approach

Using data to identify young children in high risk housing

- < GIŞ
- Medicaid data
- Program data
- Census data

Opportunities for Environmental Interventions

- Visual Assessments & Education
- Inspections & Enforcement at
- Cleaning (Hepa Vacs) at 5-14
- Hepa cleaning during the initial screening
- Held a lead-safe work practices training & offered free cleaning supplies

